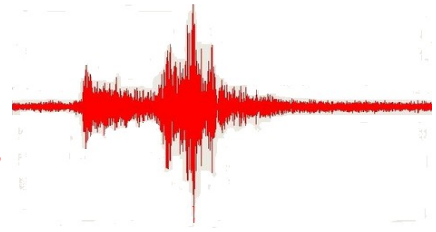




## ***Metrozet D24*** ***24-bit Seismographic Digitizer***



The Metrozet D24 is a high-performance, *Labview*-friendly seismographic digitizer. The D24 delivers 3 channels of real-time streaming 24-bit dataflow native to the most popular format in research seismology—miniSeed (or MSEED). The unit offers gigabytes of non-volatile memory capacity to protect your valuable data. With the D24, Metrozet has introduced another research-grade seismic product to the seismological and *Labview* communities. Please contact us today with your requirements.

If you are a seismic network operator, the D24 can transform a legacy analog seismic sensor into a native miniSEED digital sensor with gigabytes of memory and slash up to \$2375 per channel of high resolution data. Contact us to learn how the D24 can be a part of your network upgrade. If your sensor vendor cannot deliver true digital sensors, you can do it yourself with the D24.

If you are a *Labview* system integrator with a seismic system opportunity, the D24 lets you link state-of-the-art real-time seismic datastreams into the dataflow network environment you already use. Now you can build world-class seismic systems that are native to the environments you already use. Unlike our competitors, our products are designed and priced to enable you to WIN your next seismic system bid.

### **Benefits to You:**

- ▶ Lower your costs by up to \$2375/channel
- ▶ Accelerate your network upgrade
- ▶ Protect your data with gigabytes of storage
- ▶ Eliminate unnecessary components
- ▶ Eliminate non-standard software
- ▶ Eliminate proprietary data formats
- ▶ Start gathering and displaying real-time, streaming, 24-bit seismic data in minutes

### **D24 Key Features:**

- ▶ 24-bit resolution
- ▶ 1GB standard, up to 64 GB optional
- ▶ miniSEED data format
- ▶ Powerful ARM9 processor
- ▶ Fully isolated RS-485 standard
- ▶ GPS and NIST time server synch standard
- ▶ *Labview* subVI interface library

### **Standards Compliance:**

- ▶ Data format - native miniSEED
- ▶ Physical interface – EIA-485 (RS-485)
- ▶ Timebase - GPS and NIST/NTP
- ▶ Software - device is native to the *Labview* dataflow environment

### **Applications:**

- ▶ Seismic networks
- ▶ Tsunami warning networks
- ▶ Structural monitoring systems
- ▶ Vibration monitoring
- ▶ Nuclear treaty verification monitoring

[Contact Us](#)

Specification	Metrozet D24
Channels	3 channels of 24-bit seismic data
Dynamic Range	125 dB 0.1 to 40 Hz integrated
Data Format	✔ Native miniSEED
Memory	✔ 1GB Standard up to 64 GB Optional
Input Range	40V P-P at gain=1 (User-specified pre-amps for network quantities)
Anti-Alias	144dB Linear Phase FIR Standard Minimum Phase Filter Optional
Sample Rate	50, 100, 200, 500
Time Base	TCXO, Locked to GPS ✔ NIST/NTP Time Synch
Processor	ARM9
Sensor Control	1 channel D/A 1 digital control line Optional +/- regulated sensor power
Comm Link	✔ RS-485, wire lengths up to 1 km up to 900 kB/s (length dependent)
Physical	Aluminum and Lexan 8"X8"X4" ✔ OEM/module packaging upon request (5"X5"X3")
Power	< 1 W, single wide input range 9-24VDC Digitizer is fully isolated from external power
Application Software Development Kit (SDK)	✔ SubVI library with example Labview application

✔ Unique Features Available Only on the Metrozet D24

**metrozet**

21143 Hawthorne Blvd. #456  
Torrance, CA 90503  
866-823-0339  
www.metrozet.com

[Contact Us](#)